Zayd Bentalha

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Profile

Final-year Data Science & AI engineering student at EMSI (graduating 2027) who builds products end to end, from AI and data to full-stack and deployment. Founder of **Oqtara** (credit analysis for participative banks) and co-founder of **HezzGo**. National Student Entrepreneur, Hult Prize campus winner, SNEE national runner-up.

Education

EMSI – Moroccan School of Engineering Sciences — Casablanca, Morocco
Engineering cycle, Computer Engineering – Data Science & AI (5th year) — *October 2022 – June 2027*

Hassan II University – FSJES AC — Casablanca, Morocco
National Student Entrepreneur Status — *January 2026 – June 2026*

Experience

System Design Engineer (Intern) – Full-Stack, AI & BI — Jul. 2026 – Oct. 2026
Mello Group (iAgency) — *Casablanca, Morocco*

- Shipped **Mello**, a multi-tenant SaaS for ad-campaign production: about 139k lines of TypeScript, 3 languages
- Wrote a call-graph analyser to measure tenant isolation: ownership guard reachable from 96% of 325 public functions
- Built a deadline-risk model (**AUC 0.752**, temporal validation) and a BI warehouse (3 fact tables) feeding 6 KPIs
- Designed and started the move to **NestJS/Prisma/PostgreSQL**: 23 modules, 155 REST endpoints, 29-model schema

Web Development Intern — Jul. 2025 – Sept. 2025
Ciné Nomade Nejma (LocalExperiences) — *Sousse, Tunisia*

- Built and launched localexperiences.tn end-to-end using WordPress, custom PHP, JavaScript and CSS
- Developed custom plugins for dynamic listings and implemented SEO optimization

Team Leader (OGT) | **Active Member (OGV)** — Sept. 2024 – Jul. 2025
AIESEC in Casablanca — *Casablanca, Morocco*

- Managed a team of 4 and coordinated 10+ international recruitment calls across continents
- Facilitated 50+ cross-border talent exchanges with end-to-end candidate pipeline tracking

Accounting Assistant — Aug. 2023
Genie Management Universal — *Tangier, Morocco*

- Analyzed financial statements and observed internal management workflows and corporate legal operations

Projects

Oqtara (founder) – credit analysis for participative banks: Murabaha engine, OCR, 520 tests | *Python, FastAPI* — 2026
HezzGo (co-founder) – moving marketplace; **2nd of 120 teams at SNEE** | *NestJS, Next.js, PostgreSQL* — 2026
Shiffra – Arabic-first QR platform; encoder written from the ISO/IEC 18004 standard | *TypeScript, Next.js* — 2026
E-Tajdid – document-renewal reminders with sourced procedures, in Darija, Arabic, French | *Next.js, Prisma* — 2026
MapInter – live event maps opened by QR code, born from the DigitalNow 6 map | *Next.js, MapLibre, PostGIS* — 2026
NeroviaFlow – IoT predictive maintenance; **1st place, Hult Prize EMSI Casablanca 2026** | *ESP32, Python* — 2026

Speaking, Involvement & Certificates

Speaker: Founders Panel, EF Hult Prize EMSI Casablanca opening ceremony, as 2025–26 campus winner (Nov. 2026)
Ambassador: DigitalNow 6th edition, Club des Dirigeants (2026) | EMSI Career Center (2024 – present)
Certificates: AI For Everyone (DeepLearning.AI) | OOP in C++ (EPFL) | Software Design & Project Management (HKUST)

Skills

Spoken Languages: Arabic (Native), French (Fluent), English (Bilingual), Spanish (Beginner)
Finance: financial & credit analysis, participative finance (Murabaha), financial modelling, stress testing
Languages: Python, SQL, TypeScript, JavaScript, PHP, C/C++
Frameworks & Data: FastAPI, NestJS, Next.js, React, PostgreSQL/PostGIS, Prisma, Drizzle, Pandas, scikit-learn, TensorFlow
Tools: Git, Docker, Supabase, Power BI (in progress), SAP S/4HANA (in progress), Azure (in progress), MS Office
Soft Skills: Leadership, Team Management, Public Speaking, Adaptability, Agile Management

Interests

Drums (Music Conservatory Anfa) Theater (EMSI Theater Club) Volleyball